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› UNCLE BRICK Technical Tracked Robot Arm Building Block Kits Instruction Manual

UNCLE BRICK B0G2S4RML

UNCLE BRICK Technical Tracked Robot Arm Building Block Kits Instruction Manual

Model: B0G2S4RML

PRODUCT OVERVIEW

The UNCLE BRICK Technical Tracked Robot Arm Building Block Kit is an advanced STEM educational toy designed for users aged 8 and up. This upgraded version features a tracked base for mobility, a multi-joint robotic arm, and dual control options via remote and a dedicated application. Comprising 1468 building blocks, 4 M-type motors, and a lithium-ion battery box, this kit offers an engaging and interactive building and operating experience.



Image: The UNCLE BRICK Technical Tracked Robot Arm Kit, showcasing its futuristic design and tracked base.

SETUP AND ASSEMBLY

Assembly of the UNCLE BRICK Technical Tracked Robot Arm involves connecting 1468 building blocks. Follow the detailed pictorial instructions provided in the included manual. Pay close attention to the placement of the 4 M-type motors and the lithium-ion battery box to ensure correct functionality.

Key Assembly Features:

- **Tracked Base:** The robot arm is mounted on a tracked base, allowing for versatile movement.
- **Multi-Gear Linkage:** The arm's movements are powered by multiple gears and M-type motors, enabling precise control.
- **Flexible Gripper:** The gripper mechanism is designed for opening and closing over 180 degrees.

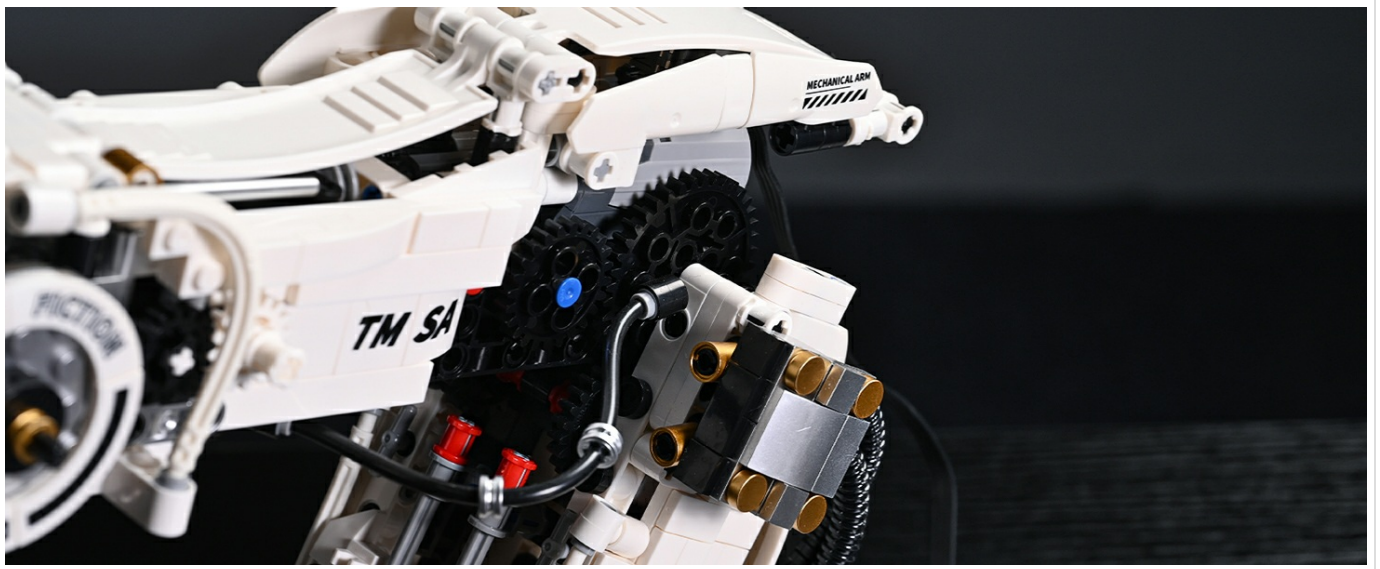


Image: The robot arm demonstrating its ability to bend 90 degrees, highlighting its flexible joints.

CUSTOM GIFT BOX

Zero Assembly to Remote Move & Grab



Image: A diagram illustrating the multi-gear linkage system for gripper, arm, and track control.

Power and Control Setup:

The kit includes a lithium-ion battery box and a remote control. Ensure the battery box is correctly installed and charged before operation. The robot arm supports both remote control and application-based control.

Your browser does not support the video tag.

Video: This video demonstrates the assembly of the robot arm's core components, including the battery installation and remote control pairing. It also shows the arm's movement capabilities.

OPERATING INSTRUCTIONS

Once assembled and powered, the robot arm can be operated using the provided remote control or a compatible mobile application. The tracked base allows for diverse movements, while the multi-joint arm and gripper provide precise manipulation.

Movement Capabilities:

- **Tracked Movement:** Move forward, backward, turn left, turn right, and perform tank-like U-turns.
- **Arm Articulation:** The arm can swing 90 degrees, allowing for vertical and horizontal adjustments.
- **Gripper Control:** The gripper can open and close more than 180 degrees to grasp objects.

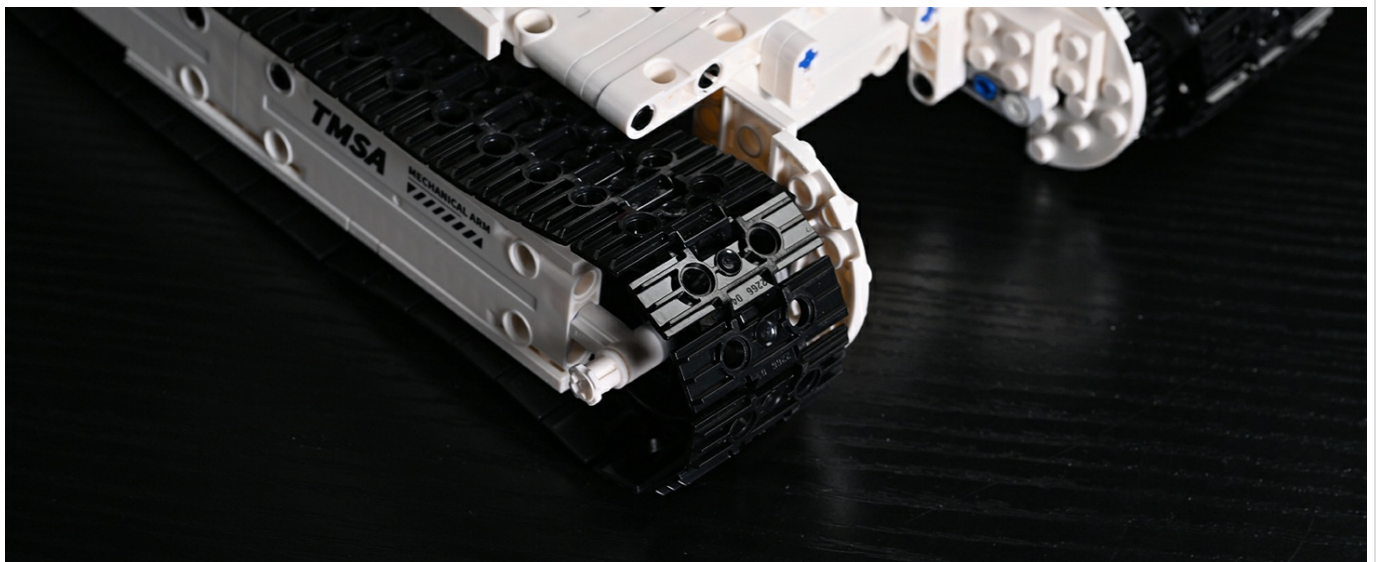


Image: The robot arm demonstrating its tracked movement capabilities, including U-turns.

Your browser does not support the video tag.

Video: This video showcases the UNCLE BRICK Technical Tracked Robot Arm in action, performing various movements and demonstrating its remote control functionality.

MAINTENANCE

To ensure the longevity and optimal performance of your robot arm, regular maintenance is recommended.

- **Weight Limit:** The tracked robotic arm is designed to grasp objects weighing up to 150 grams (approximately 0.34 pounds) with a non-smooth surface. Exceeding this weight may damage the internal gears.
- **Spare Gears:** Several spare, easily damaged gears are included in the product package for replacement if necessary.
- **Cleaning:** Keep the tracks and gears free from dust and debris to prevent operational issues.

TROUBLESHOOTING

If you encounter any issues with your UNCLE BRICK Technical Tracked Robot Arm, please refer to the following basic troubleshooting steps:

- **Power Check:** Ensure the lithium-ion battery box is fully charged and correctly connected.
- **Connection Issues:** Verify that the remote control is properly paired with the robot arm. If using the app, ensure a stable connection.
- **Movement Problems:** Check for any obstructions in the tracks or arm joints. Inspect gears for any visible damage and replace with spare parts if needed.
- **Refer to Manual:** Consult the detailed instruction manual for specific assembly and wiring diagrams.

SPECIFICATIONS

Feature	Detail
Product Dimensions	13.4 x 17.5 x 7.2 inches
Item Weight	3.74 pounds
Model Number	B0G2S4RML
Manufacturer Recommended Age	8 - 12 years
Number of Pieces	1468
Motors Included	4 M-type motors
Power Source	Lithium-ion battery box
Control Method	Remote & APP Controlled

WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your UNCLE BRICK Technical Tracked Robot Arm Building Block Kit, please contact the manufacturer directly. Refer to the contact information provided in the product packaging or on the official UNCLE BRICK website for assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

On step 8 with bag 1 of the UNCLE BRICK Technical Tracked Robot Arm (B0G2S4RML), why don't the gears fit correctly to each other?

When assembling the base of the UNCLE BRICK Technical Tracked Robot Arm (B0G2S4RML) at step 8, gear misalignment usually occurs due to one of the following reasons: Axle Depth: Ensure the axles holding the gears...

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